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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/784,589

DATE: 09/16/2004

TIME: 11:58:49

Input Set : N:\Crf3\RULE60\10784589.raw

Output Set: N:\CRF4\09162004\J784589.raw

1 <110> APPLICANT: Supratek Pharmaceuticals, Inc.  
 2 <120> TITLE OF INVENTION: Vascular Endothelial Growth Factor Receptor  
 3 <130> FILE REFERENCE: 082181-36154  
 4 <140> CURRENT APPLICATION NUMBER: US/10/784,589  
 5 <141> CURRENT FILING DATE: 2004-02-23  
 6 <150> PRIOR APPLICATION NUMBER: US/09/775,743  
 7 <151> PRIOR FILING DATE: 2001-02-02  
 8 <150> PRIOR APPLICATION NUMBER: 60/180,568  
 9 <151> PRIOR FILING DATE: 2000-02-04  
 10 <160> NUMBER OF SEQ ID NOS: 33  
 11 <170> SOFTWARE: PatentIn version 3.1  
 13 <210> SEQ ID NO: 1  
 14 <211> LENGTH: 16  
 15 <212> TYPE: PRT  
 16 <213> ORGANISM: Artificial Sequence  
 17 <220> FEATURE:  
 18 <223> OTHER INFORMATION: Chemical peptide synthesis and biosynthesis utilizing E. coli  
 19 <220> FEATURE:  
 20 <221> NAME/KEY: MOD\_RES  
 21 <222> LOCATION: (16)..(16)  
 22 <223> OTHER INFORMATION: AMIDATION  
 23 <400> SEQUENCE: 1  
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 25 1 5 10 15  
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 28 <211> LENGTH: 17  
 29 <212> TYPE: PRT  
 30 <213> ORGANISM: Artificial Sequence  
 31 <220> FEATURE:  
 32 <223> OTHER INFORMATION: Chemical peptide synthesis and biosynthesis utilizing E. coli  
 33 <220> FEATURE:  
 34 <221> NAME/KEY: MOD\_RES  
 35 <222> LOCATION: (17)..(17)  
 36 <223> OTHER INFORMATION: AMIDATION  
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 38 Cys Asn Gly Tyr Glu Ile Glu Trp Tyr Ser Trp Val Thr His Gly Met  
 39 1 5 10 15  
 40 Tyr  
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 43 <211> LENGTH: 17  
 44 <212> TYPE: PRT  
 45 <213> ORGANISM: Artificial Sequence  
 46 <220> FEATURE:

ENTERED

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Input Set : N:\Crif3\RULE60\10784589.raw

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47 <223> OTHER INFORMATION: Chemical peptide synthesis and biosynthesis utilizing E. coli

48 <220> FEATURE:

49 <221> NAME/KEY: MOD\_RES

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51 <223> OTHER INFORMATION: ACETYLATION

52 <220> FEATURE:

53 <221> NAME/KEY: MOD\_RES

54 <222> LOCATION: (17)..(17)

55 <223> OTHER INFORMATION: AMIDATION

56 <400> SEQUENCE: 3

57 Cys Asn Gly Tyr Glu Ile Glu Trp Tyr Ser Trp Val Thr His Gly Met

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59 Tyr

61 <210> SEQ ID NO: 4

62 <211> LENGTH: 16

63 <212> TYPE: PRT

64 <213> ORGANISM: Artificial Sequence

65 <220> FEATURE:

66 <223> OTHER INFORMATION: Chemical peptide synthesis and biosynthesis utilizing E. coli

67 <220> FEATURE:

68 <221> NAME/KEY: MOD\_RES

69 <222> LOCATION: (1)..(1)

70 <223> OTHER INFORMATION: Fluorescein 5 carbonyl

71 <220> FEATURE:

72 <221> NAME/KEY: MOD\_RES

73 <222> LOCATION: (16)..(16)

74 <223> OTHER INFORMATION: AMIDATION

75 <400> SEQUENCE: 4

76 Asn Gly Tyr Glu Ile Glu Trp Tyr Ser Trp Val Thr His Gly Met Tyr

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79 <210> SEQ ID NO: 5

80 <211> LENGTH: 19

81 <212> TYPE: PRT

82 <213> ORGANISM: Artificial Sequence

83 <220> FEATURE:

84 <223> OTHER INFORMATION: Chemical peptide synthesis and biosynthesis utilizing E. coli

85 <220> FEATURE:

86 <221> NAME/KEY: MOD\_RES

87 <222> LOCATION: (1)..(1)

88 <223> OTHER INFORMATION: Fluorescein-5-carbonyl

89 <220> FEATURE:

90 <221> NAME/KEY: MOD\_RES

91 <222> LOCATION: (19)..(19)

92 <223> OTHER INFORMATION: AMIDATION

93 <400> SEQUENCE: 5

94 Glu Glu Glu Asn Gly Tyr Glu Ile Glu Trp Tyr Ser Trp Val Thr His

95 1 5 10 15

96 Gly Met Tyr

98 <210> SEQ ID NO: 6

## RAW SEQUENCE LISTING

DATE: 09/16/2004

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Input Set : N:\Crf3\RULE60\10784589.raw

Output Set : N:\CRF4\09162004\J784589.raw

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99 <211> LENGTH: 15
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101 <213> ORGANISM: Artificial Sequence
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103 <223> OTHER INFORMATION: Chemical peptide synthesis and biosynthesis utilizing E.
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104 <220> FEATURE:
105 <221> NAME/KEY: MOD_RES
106 <222> LOCATION: (1)..(1)
107 <223> OTHER INFORMATION: Fluorescein-5-carbonyl
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110 <222> LOCATION: (15)..(15)
111 <223> OTHER INFORMATION: AMIDATION
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114      1          5          10          15
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117 <211> LENGTH: 16
118 <212> TYPE: PRT
119 <213> ORGANISM: Artificial Sequence
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121 <223> OTHER INFORMATION: Chemical peptide synthesis and biosynthesis utilizing E.
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123 <221> NAME/KEY: MISC_FEATURE
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125 <223> OTHER INFORMATION: Xaa = any amino acid
126 <220> FEATURE:
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128 <222> LOCATION: (7)..(9)
129 <223> OTHER INFORMATION: Xaa = any amino acid
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132 <222> LOCATION: (11)..(15)
133 <223> OTHER INFORMATION: Xaa = any amino acid
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136      1          5          10          15
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139 <211> LENGTH: 16
140 <212> TYPE: PRT
141 <213> ORGANISM: Artificial Sequence
142 <220> FEATURE:
143 <223> OTHER INFORMATION: Chemical peptide synthesis and biosynthesis utilizing E.
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144 <220> FEATURE:
145 <221> NAME/KEY: MISC_FEATURE
146 <222> LOCATION: (1)..(1)
147 <223> OTHER INFORMATION: Xaa = Asn or Gln
148 <220> FEATURE:
149 <221> NAME/KEY: MISC_FEATURE

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150 <222> LOCATION: (2)..(3)
151 <223> OTHER INFORMATION: Xaa = Any amino acid
152 <220> FEATURE:
153 <221> NAME/KEY: MISC_FEATURE
154 <222> LOCATION: (4)..(4)
155 <223> OTHER INFORMATION: Xaa = Glu or Asp
156 <220> FEATURE:
157 <221> NAME/KEY: MISC_FEATURE
158 <222> LOCATION: (5)..(5)
159 <223> OTHER INFORMATION: Xaa = Ile, Leu, Val, or Met
160 <220> FEATURE:
161 <221> NAME/KEY: MISC_FEATURE
162 <222> LOCATION: (6)..(6)
163 <223> OTHER INFORMATION: Xaa = Glu or Asp
164 <220> FEATURE:
165 <221> NAME/KEY: MISC_FEATURE
166 <222> LOCATION: (7)..(9)
167 <223> OTHER INFORMATION: Xaa = Any amino acid
168 <220> FEATURE:
169 <221> NAME/KEY: MISC_FEATURE
170 <222> LOCATION: (10)..(10)
171 <223> OTHER INFORMATION: Xaa = Trp, Phe, Tyr, or His
172 <220> FEATURE:
173 <221> NAME/KEY: MISC_FEATURE
174 <222> LOCATION: (11)..(15)
175 <223> OTHER INFORMATION: Xaa = Any amino acid
176 <220> FEATURE:
177 <221> NAME/KEY: MISC_FEATURE
178 <222> LOCATION: (16)..(16)
179 <223> OTHER INFORMATION: Xaa = Trp, Phe, Tyr, or His
180 <400> SEQUENCE: 8
W--> 181      Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
182          1              5              10              15
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185 <211> LENGTH: 69
186 <212> TYPE: DNA
187 <213> ORGANISM: Artificial Sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: Synthetic DNA
190 <400> SEQUENCE: 9
191      gggccggtaa cgggtacgag atcgagtggg actcgtgggt cacgcacggg atgtacggtg 60
192      gcgcttctg                                     69
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196 <212> TYPE: DNA
197 <213> ORGANISM: Artificial Sequence
198 <220> FEATURE:
199 <223> OTHER INFORMATION: Synthetic DNA
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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/784,589

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Input Set : N:\Crf3\RULE60\10784589.raw

Output Set: N:\CRF4\09162004\J784589.raw

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201      gggccggtcc ggagcccag gtccggttga gtccgccggg tcatatccag tcgctcggtg      60
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206 <212> TYPE: DNA
207 <213> ORGANISM: Artificial Sequence
208 <220> FEATURE:
209 <223> OTHER INFORMATION: Synthetic DNA
210 <400> SEQUENCE: 11
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212      gcgcttctg
214 <210> SEQ ID NO: 12
215 <211> LENGTH: 10
216 <212> TYPE: DNA
217 <213> ORGANISM: Artificial Sequence
218 <220> FEATURE:
219 <223> OTHER INFORMATION: Synthetic DNA
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224 <211> LENGTH: 11
225 <212> TYPE: DNA
226 <213> ORGANISM: Artificial Sequence
227 <220> FEATURE:
228 <223> OTHER INFORMATION: Synthetic DNA
229 <400> SEQUENCE: 13
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232 <210> SEQ ID NO: 14
233 <211> LENGTH: 16
234 <212> TYPE: PRT
235 <213> ORGANISM: Artificial Sequence
236 <220> FEATURE:
237 <223> OTHER INFORMATION: Chemical peptide synthesis and biosynthesis utilizing E.
coli
238 <400> SEQUENCE: 14
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240      1          5          10          15
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243 <211> LENGTH: 16
244 <212> TYPE: PRT
245 <213> ORGANISM: Artificial Sequence
246 <220> FEATURE:
247 <223> OTHER INFORMATION: Chemical peptide synthesis and biosynthesis utilizing E.
coli
248 <400> SEQUENCE: 15
249      Asn Gly Tyr Ala Ile Glu Trp Tyr Ser Trp Val Thr His Gly Met Tyr
250      1          5          10          15
252 <210> SEQ ID NO: 16
253 <211> LENGTH: 16
254 <212> TYPE: PRT
255 <213> ORGANISM: Artificial Sequence

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**RAW SEQUENCE LISTING ERROR SUMMARY**  
**PATENT APPLICATION: US/10/784,589**

DATE: 09/16/2004  
TIME: 11:58:50

Input Set : N:\Crf3\RULE60\10784589.raw  
Output Set: N:\CRF4\09162004\J784589.raw

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:7; Xaa Pos. 2,3,7,8,9,11,12,13,14,15

Seq#:8; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16

**Invalid Line Length:**

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 18  
Seq#:2; Line(s) 32  
Seq#:3; Line(s) 47  
Seq#:4; Line(s) 66  
Seq#:5; Line(s) 84  
Seq#:6; Line(s) 103  
Seq#:7; Line(s) 121  
Seq#:8; Line(s) 143  
Seq#:14; Line(s) 237  
Seq#:15; Line(s) 247  
Seq#:16; Line(s) 257  
Seq#:17; Line(s) 267  
Seq#:18; Line(s) 277  
Seq#:19; Line(s) 287  
Seq#:20; Line(s) 297  
Seq#:21; Line(s) 307  
Seq#:22; Line(s) 317  
Seq#:23; Line(s) 327  
Seq#:24; Line(s) 337  
Seq#:25; Line(s) 347  
Seq#:26; Line(s) 357  
Seq#:27; Line(s) 367  
Seq#:28; Line(s) 377  
Seq#:29; Line(s) 387

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/784,589

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TIME: 11:58:50

Input Set : N:\Crf3\RULE60\10784589.raw

Output Set: N:\CRF4\09162004\J784589.raw

L:135 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0  
L:181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0